

Outlook

THE UNIVERSITY OF MARYLAND FACULTY AND STAFF WEEKLY NEWSPAPER

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THE
CMPS
INSERT



Geoffroy Leaves Legacy of Collaboration

Asked what he will miss most when he heads west to Iowa, Provost Greg Geoffroy does not hesitate to answer: "I will miss the joy of living and working in such a diverse community. There is a richness of life. It is a special feature here."

He will trade this diversity for the relative homogeneity of Ames, Iowa when he becomes Iowa State University's 14th president in July.

Geoffroy spent his four years at Maryland as senior vice president for academic affairs and provost, with a two-month stint as acting president in 1998. His responsibilities included making sure the university's academic concerns were addressed. He also needed to keep Maryland moving forward. There were committees to steer, initiatives to outline.



Provost Gregory Geoffroy

"He is very much a can-do person," says his boss, President Dan Mote. "He really knows how to move projects forward."

Geoffroy managed to imple-

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Chinoy to Join Journalism School Fifth Pulitzer Prize Winner Comes to Maryland

Ira Chinoy, a two-time Pulitzer Prize-winning investigative journalist at The Washington Post, will join the university this fall as a visiting journalism professor and a doctoral fellow.

Chinoy, The Post's director of computer-assisted reporting, will teach computer-assisted reporting and another course each semester for three years at the Philip Merrill College of Journalism. He also will be the college's first Scripps Howard Foundation Doctoral Fellow, a three-year scholarship that leads to a doctorate in journalism.

"We are thrilled to have someone of Ira's breadth of journalism experience join

us," said Journalism Dean Thomas Kunkel. "He is a pioneer in the techniques of computer-assisted investigative reporting. Our students will benefit enormously by learning from one of the best."

Chinoy started his journalism career at The Lawrence (Mass.) Eagle-Tribune after graduating in 1977 from Harvard College. In 1981, he joined The Providence Journal-Bulletin, where he was a pioneer in computer-assisted reporting techniques. In 1993, he was part of a team that won the Pulitzer Prize in investigative reporting for its coverage of corruption and patronage in

the Rhode Island courts.

Chinoy joined The Post in 1995, and in 1998 was part of the team that won the Pulitzer Prize for public service for a series on the use of deadly force by the Washington D.C. police.

The Bethesda resident becomes the fifth Pulitzer winner at the college, joining Professors Haynes Johnson, Jon Franklin, David S. Broder and William Eaton, curator of the school's Hubert H. Humphrey Fellowship program for international journalists. In addition, Professor Gene Roberts led The Philadelphia Inquirer to 17 Pulitzers during his 18-year tenure as executive editor.

Town Hall Meeting Wednesday to Discuss Traffic, Environment in New Facilities Master Plan

Faculty, staff and students will have a chance to react to some of the ideas for future development of the university in a Town Hall meeting Wednesday night, May 16, where consultants will offer their proposals for transportation, parking, land use, environmental protection and other issues.

Residents and officials from the City of College Park will also be invited to the Town Hall meeting in the Biology-Psychology Building, room 1240 (Auditorium), beginning at 7:30 p.m.

The consultants have developed proposals for more envi-

ronment-friendly guidelines for future development, as requested by the Facilities Master Planning Committee, under the leadership of Provost Greg Geoffroy and Vice President Charles Sturtz.

The FMP Committee has been meeting since last fall to draw up a new plan for campus development for the years 2001 to 2020. One of the committee's first actions was to adopt a set of principles including greater environmental protection.

The proposals include such measures as closing Campus Drive through the middle of campus and establishing high-frequency loop shuttle serv-

ice, creating perimeter and off-campus parking to reduce congestion, improving pedestrian safety, and enabling the conversion of impervious parking lots to green space.

Other recommendations include significantly increasing the number of trees on campus, and stabilizing and cleaning up waterways such as Campus Creek and Paint Branch.

The overall goals for resolving transportation issues are to decrease automobile dependency, decrease on-campus congestion, deal with parking challenges, develop a

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Commencement Speakers

The following is a list of commencement speakers for ceremonies being held May 23 and 24. Times and locations may be found online at www.inform.umd.edu/commencement/ceremonies.html.

Main Convocation
Gov. Parris N. Glendening

College of Agriculture & Natural Resources
Dean Thomas A. Fretz.
The college will also be presenting its first Medallion of Excellence Award to the Honorable Harry R. Hughes, former Governor of Maryland.

School of Architecture
Mark McInturff, principal partner of McInturff Architects

American Studies
Ellen Hughes, Cultural Historian, National Museum of American History

Women's Studies
Professor of American Studies Nancy Struna.

Art History and Archeology
Assistant Professor of Art History and Archeology Sharon Gerstel

Art Studio
Professor of Art W. C. Richardson

A. James Clark School of Engineering
Professor of Mechanical Engineering Reinhard K. Radermacher

College of Behavioral and Social Sciences
Student Kesha Robertson, a bachelor of government and politics candidate

College of Computer, Mathematical and Physical Sciences
Raul Fernandez, president of Proxicom

Department of Communication
Lt. Governor Kathleen Kennedy Townsend

College of Education
Not available at press time.

English, Comparative Literature
Associate Professor of English Orrin Wang

Departments of Dance, Theatre, RTVF
Student dance performances

Foreign Languages,

continued on page 4

Creating the Next Generation of IT Behavioral Scientists

Three university sociologists—Meyer Kestnbaum, Alan Neustadt and John Robinson—are aiming to create a new field of unified information technology behavioral studies.

In June they will host the first national "WebShop" to train the next generation of scholars in this emerging field. Top national researchers from various academic backgrounds will come to the university to speak with approximately 50

students about the various trends in current research and to help them complete graduate dissertations and theses.

"We plan to develop this new field through its students," said John P. Robinson, who is directing the project. "Our Webshop will allow us to help map their research and the field at the same time."

Researchers from many disciplines—sociology, psychology and computer sci-

ence, among others—are actively exploring the rapid cultural penetration of the Internet. "But we need to pull all this academic work together into something more coherent," said Alan Neustadt. "You can see it right here on campus" said Meyer Kestnbaum. "Professors in most departments are deeply interested in the impact of this medium. But they are only beginning to talk to each other about

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dateline maryland

Your Guide to University Events

May 15-June 6

Tuesday may 15

4 p.m., Physics Colloquium: "Jamming." With Sid Nagel, professor of physics, University of Chicago. Preceded by refreshments at 3:30 p.m. 1410 Toll Building (Physics lecture hall). Call 5-3401.

3-5 p.m., Awards Reception: The President's Commission on Ethnic Minority Issues and The President's Office cordially invite you to the Garden at Rossborough Inn. Honorees include Dottie Bass, Danielle McGugins, Gia Harewood and Delecia Stewart. For more information, contact Shanti Nanan at (301) 405-5801 or snanan@deans.umd.edu.

Wednesday may 16

2-4 p.m., Seminar: "Writing Wrongs: Better Memos, Business Letters and E-mails." (Details in **For Your Interest**, page 4.)

3-4:30 p.m., Reception for Provost Gregory L. Geoffroy, in celebration of his appointment as president of Iowa State University. Colony Ballroom, Stamp Student Union. RSVP to Sapienza Barone at 5-5790 or sbarone@deans.umd.edu.

Thursday may 17

5:30-7:30 p.m. Mixer: First Annual Business and Technology Regional Mixer. Grand Pavilion of the Clarice Smith Performing Arts Center. Free. Complimentary drinks and hors d'oeuvres. To register, visit www.mdhitech.org/Calendar/html/52.html or call Cindy McGowan at (301) 403-4111.

Friday may 18

8 a.m.-4:30 p.m., Conference: "19th Annual Professional Concepts Exchange Conference" for non-exempt staff. Stamp Student Union. Contact Gaynor Sale at 4-9685 or gs2@umail.umd.edu.

Saturday may 19

8 p.m. Concert: Prince George's Choral Society's final concert of the season. Berwyn Presbyterian Church, Berwyn Heights. Light dessert buffet following the performances in the church fellowship hall. Admission \$10, \$8 for seniors

and students. For reservations, contact Jack Donley at (301) 474-7815. For more information, call (301) 454-1463.*

Sunday may 20

10:30 a.m.-1:30 p.m., Event: "Second Annual Sunday Brunch Cruise." Aboard the Odyssey, 600 Water Street, SW, Washington, D.C. Sponsored by the Black Alumni Club. All alumni and friends are welcome to enjoy food and entertainment. All proceeds from the silent auction will support the Parren Mitchell Scholarship Fund. Contact Llatetra D. Brown at (301) 403-2728, ext. 11 or LB166@umail.umd.edu.

Tuesday may 22

1-4 p.m., OIT Shortcourse Training: "Introduction to HTML." Introduces HTML from simple generation and translation of text files to richly formatted pages. Along the way, proper use of graphics, sounds and general practices will be discussed. This is a hands-on workshop; upon completion participants will be able to construct quality HTML documents. Prerequisite: familiarity with the Internet and Netscape. 4404 Computer & Space Science. The fee is \$30. For more information and to register, contact the OIT Training Services Coordinator at 5-0443 or oit-training@umail.umd.edu, or visit www.oit.umd.edu/sc.*

Thursday may 24

12:30-2 p.m., Colloquium: "Public Art, Public Outcry: The Scandalous Sculptures of Jacob Epstein and Richard Serra." With Caroline Levine, English Department, Rutgers-Camden. Presented by the Committee on Politics, Philosophy and Public Policy (CP4). 1102 Francis Scott Key Hall. The paper will not be read during the session. The text may be viewed and downloaded at www.peterlevine.ws/epstein.pdf, or contact Steven Maloney at 5-4754 (or sdmalone@wam.umd.edu) to request a copy. For more information, contact Peter Levine, 5-4767 or PL60@umail.umd.edu, or visit www.puaf.umd.edu/students/programs/cp4/cp4newschedule.html.

For more information, contact Peter Levine, 5-4767 or PL60@umail.umd.edu, or visit www.puaf.umd.edu/students/programs/cp4/cp4newschedule.html.

Wednesday may 30

11 a.m.-5 p.m., Black Faculty and Staff Conference: "Defining the New Black Agenda in Higher Education." Greenbelt Marriott Hotel (3 days). For information or to register, contact Gail Brown at 5-4183 or register on-line at www.umd.edu/bfsaconference.*

Thursday may 31

11 a.m.-5 p.m., Black Faculty and Staff Conference: "Defining the New Black Agenda in Higher Education." Greenbelt Marriott Hotel (3 days). For information or to register, contact Gail Brown at 5-4183 or register on-line at www.umd.edu/bfsaconference.*

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Wednesday june 6

9 a.m.-4:30 p.m., OIT Shortcourse Training: "Fast Track To Cold Fusion." Learn to set up the Cold Fusion development environment, publish dynamic data using Cold Fusion tags. Reuse common code, build forms with Cold Fusion, build search interfaces, build data drilldown interfaces, accept user information for updating and inserting data in databases, secure Web pages. 4404 Computer & Space Science. Registration fee is \$650. This is a three-day class limited to 10 registrants. For more information and to register, contact the OIT Training Services Coordinator at 5-0443 or oit-training@umail.umd.edu, or visit www.oit.umd.edu/sc.*

calendar guide:

Calendar phone numbers listed as 4-xxxx or 5-xxxx stand for the prefix 314 or 405. Calendar information for *Outlook* is compiled from a combination of informM's master calendar and submissions to the *Outlook* office.

Submissions are due two weeks prior to the date of publication. To reach the calendar editor, call 405-7615 or e-mail to outlook@accmail.umd.edu. *Events are free and open to the public unless noted by an asterisk (*).

Make Your Mark on the ACC

In preparation for the 50th anniversary celebration of the formation of the Atlantic Coast Conference, a contest will be held to produce a logo for the celebration. It is open to students, faculty and staff members of the nine ACC member institutions. The logo will be used before, during and after the celebration, which will occur during the 2002-2003 school year.

The winner will be recognized in print, on television and radio and the Internet. Also, a paid internship at the Charlotte, N.C.

design firm of Concentric Marketing will be offered, as well as opportunities for future commission design work relating to the ACC 50th anniversary logo.

Entries must be post-



marked by June 18. For guidelines and more information, contact Vice President of Marketing Lisa Shaw at (704) 378-4433.

Web Shop

continued from page 1

their work, and not in any organized way."

Each of the Webshop sessions is organized around a theme, such as the digital divide, time/activity displacement, online communities, policy issues, or placing the Internet in historical perspective. Top researchers will present and debate their work and students will join the discussion. Approximately 50 researchers have signed on to participate, including several from the university.

The National Science Foundation awarded Robinson, Neustadt and Kestnbaum a \$2.7 million grant last year to create an innovative, multi-disciplinary program of Internet research, including the Webshop and creation of an interactive Web portal (www.webuse.umd.edu) offering immediate access to complete survey data sets on Internet use and a comprehensive annotated bibliography. The group is also putting together an extensive profile of Internet user experiences and attitudes that will be posted on the Web site.

Corrections

In "Independent Bookseller Makes Campus Connections" (May 8), the number of fatalities caused by the eruption of the Nevado del Ruiz volcano was incorrect. In 1985, 23,000 people died after the volcano in Colombia erupted.

Last week's front page *Outlook* article entitled "Chinese Ambassador, Spiritual Leader Discuss Taiwan Defense" contained errors. The former Taiwan official who presented the lecture was not the Chinese ambassador. Suheil Bushrui, the discussant, is not a spiritual leader but a scholar, academician and professor at the university who has an academic interest in spiritual matters related to world peace and who teaches a course on the spiritual heritage of the human race.

Outlook

Outlook is the weekly faculty-staff newspaper serving the University of Maryland campus community.

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Computer, Mathematical and Physical Sciences

Steve Halperin, Dean • Spring 2001

The College of Computer, Mathematical and Physical Sciences is nationally recognized for the high quality of its faculty, research, education and students. Its core programs—in computer science, earth science, mathematics and physical science—are among the best in the nation. CMPS faculty are known for their contribution to the creation of knowledge, and this is reflected in their large share of national and university distinctions and awards.

The College also plays a significant part in the University's role within the state through its strong partnerships with the private



sector and federal agencies. These partnerships are enhanced by a stream of

superbly-qualified CMPS graduates. More than 6,000 live in the region and many

hold high tech positions in area businesses and labs.

College graduate and undergraduate programs are continuously updated to reflect advances in modern science. Students interact with first class faculty in state-of-the-art labs on and off campus, tackling important problems, many of which cross the boundaries of traditional science. The quality of the faculty is evidenced by their dedication to teaching as well as their research. Superior advising and career services, including the well-known Corporate Scholars Internship Program, help undergraduates transition to high-tech industries.

Cross-disciplinary work in

many new areas is supported by three institutes and five centers within the College that interact with the teaching departments to establish research initiatives and make them accessible to students. The College also works closely with Engineering and Life Sciences in cross-disciplinary areas such as nanotechnology and bioscience. The overall combination is a dynamic College buzzing with challenging work and growing and changing at high speed.

Science on the Move

Atomic and Molecular Optics

1997 Nobel Laureate Bill Phillips is joining the Physics Department and the Institute for Physical Science and Technology (IPST) to develop a world-class atomic, molecular and optical physics research group in partnership with his group at the National Institute for Science and Technology. To work with its already strong faculty in this field, CMPS will be hiring three world-class AMO leaders.

Atmosphere, Weather and Climate Change

An astonishing convergence of talent has created one of the nation's strongest weather and climate change resources at Maryland. In the 1980s the University collaborated with NOAA to create the Cooperative Institute for Climate Studies. The CICS, directed by Bob Ellingson, pioneered significant atmospheric and climate studies. Today it estimates the components of atmospheric and surface energy associated with precipitation and radiation.

For the last 10 years, Russell Dickerson and meteorology colleagues have monitored the local atmosphere for the Maryland Department of the Environment and Department of Natural Resources. Their goal is to improve understanding of the concentration and origins of air pollution to help the state comply with the Clean Air Act.

More recently, Joseph JaJa, Director of UMIACS, and John Townsend, professor of geography, created the Global Land Cover Facility, part of the NASA-supported Federation of Earth Science Information Partnerships.

Two years ago, internationally recognized meteorologist Eugenia Kalnay, former director of the Environmental Modeling Center of NCEP, joined the College as chair of Meteorology. Kalnay, together with Jim Yorke, an early leader in the study of chaos and director of the Institute for Physical Science and Technology, and Larry Davis, a world expert in computer vision and high performance computing and Computer Science Department Chair, received a \$1 million Keck Foundation grant to create more reliable weather prediction models.

Weather forecasting links computer vision, computer science, chaos theory and climate forecasting. Kalnay and colleagues are learning that not all chaos is equal in the ways it affects the weather. Previously it was assumed that the overall chaotic behavior of weather systems was an insuperable problem to accurate localized weather prediction. But a new technique, developed at Maryland, now identifies chaotic hot spots—regions where small changes in conditions are believed to quickly magnify into large weather perturbations. Focusing on these hot spots can significantly reduce errors in forecasts.

Also two years ago, the College, together with BSOS, took another major step with the establishment of the joint UMD-Goddard Earth System Science Interdisciplinary Center (ESSIC). This year Tony Busalacchi was recruited from his position as chief of the NASA

Goddard Hydrospheric Processes Lab to serve as its director.

"ESSIC's goal," Busalacchi says, "is to improve our understanding of how atmosphere-ocean-land biosphere components of Earth interact as a system. An example is El Niño and how the ocean and atmosphere interact to produce seasonal to interannual climate variability. Major interest areas of Center study are climate variability and change, atmospheric composition and processes, and the global carbon cycle."

ESSIC has developed a method for combining fields of remotely sensed observations



Bill Phillips

Most recently, several CMPS faculty helped bring about establishment of the new Joint Global Change Research Institute in College Park, created by the University and the Department of Energy's Pacific Northwest National Laboratories.

Scientific Computation

The College's Center for Scientific Computation and Mathematical Modeling was

recently created to use computational methods to address cutting-edge scientific problems, thereby ensuring the University's position at the forefront of modern science. It brings together the algorithmic design of computer science with the rigorous theory of mathematics and the physical principles of science to address critical large-scale problems with computational models.

Initial areas of center concentration will include weather and climate forecasting, protein folding and astronomical magnetic fields.



Wendell Hill, IPST, is one of many in the College who are already engaged in AMO research.

as a means of constraining coupled climate models leading to improved predictions.

CMPS Mission

The mission of the College of Computer, Mathematical and Physical Sciences is to advance modern science through its nationally competitive research and educational programs.

College Cornerstones

- Computer science
- Earth science
- Mathematics
- Physical sciences

To ensure its growth and its leadership role in the coming decades, the College complements its core areas of strength with strategic investments in important emerging areas of science, combining theory, experimentation and observation, and powerful computation.

Fourteen departments and institutes are participating in this center's activities. It has led the development of a new interdisciplinary graduate program beginning this fall.

IBM is an important partner in the center. Bill Pulleyblank, director of the Deep Computing Institute and Exploratory Server Systems for IBM's T.J. Watson Research Center, says, "Deep computing—the application of huge amounts of computing power to massive amounts of data in order to improve decision making—is becoming increasingly important to a broad range of users of information technology. We are pleased to be able to work with CMPS faculty who are established leaders in this important activity."

Building on Excellence

The College's priority and an area of phenomenal success is the recruiting of top faculty. The recent recruitment of Nobel Laureate **Bill Phillips** (see p. 1, Atomic and Molecular Optics) is one example. The Institute for Physical Science and Technology (IPST), the University's oldest and most highly respected institute, is home to many of the stellar faculty in CMPS, including **Michael Fisher**,



Sergey Novikov

Sergey Novikov, Jim Yorke, Roald Sagdeev and Phillips. IPST faculty lead major research groups in non-linear dynamics, statistical mechanics, and space science.

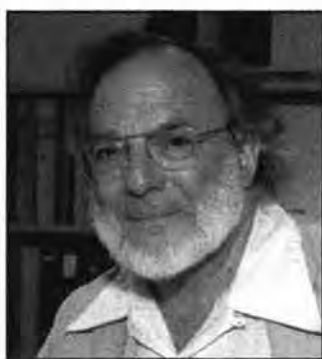
Primary members of the Space Physics Group are **George Gloeckler, Glenn Mason** and **Doug Hamilton**. They are from the Physics Department and IPST and study energetic ions from the sun and Earth's radiation belts using instruments built on campus and flown on NASA satellites and space probes. Their studies seek to understand the original sources of the ions and the natural mechanisms by which they are accelerated to high velocities, both near the sun and in

Earth's radiation belts.

Rajarshi Roy, Dan Lathrop, Edward Ott, Brian Hunt, Wolfgang Losert, C. David Levermore and **Jim Yorke** are part of the Non-linear Dynamics and Chaos Group. They represent IPST, the



Roald Sagdeev



Michael Fisher

Institute for Plasma Research, physics, math and electrical and computer engineering. Lathrop's work concerns waves and turbulence in fluid flows and Roy's focuses on non-linear dynamics in optical systems, specifically lasers and optical fibers.

Three new faculty in geology have brought a previously strong group in geochemistry to national prominence. **Roberta Rudnick** was formerly a von Humboldt Fellow at the Max Planck Institute and

most recently a professor at Harvard. She is a world expert on the lower continental crust. Another von Humboldt Fellow, **William McDonough**, is focusing on the composition of the bulk earth and the geochemistry of the solar system. He is a world leader in synthesizing the dazzling array of compositional and seismic data available



Jim Yorke

for this research. **James Farquhar** was most recently with the University of California, San Diego. His expertise is in the use of multiple stable isotope fractionations during oxidation of gaseous sulfur species and volatile organic compounds. His approach can be extended from atmospheric chemistry to planetary atmospheres and their evolution through time. For this work he was awarded the Geochemical Society Clarke Medal for 2000.

Mathematics has recruited a remarkable group of faculty in partial differential equations and numerical analysis, especially in areas related to fluid dynamics and materials science. This year, **C. David Levermore**, also with IPST, **Konstantina Trivisa** and **Georg Dolzmann** joined

recent arrivals **Jian-Guo Liu**, also with IPST, **Sijue Wu** and **Bo Li**. Group members have started seminars in the mathematics of fluid dynamics and the mathematics of materials science. Research deals with the description and behavior of



Ellen Williams

materials with complicated microstructures such as alloys and polymer blends, the mathematics of shock waves as discontinuous solutions to differential equations, and topics related to fundamental questions concerning equations of fluid dynamics, methods of computation and applications.

Sijue Wu received the prestigious Ruth Lyttle Satter Prize from the American Mathematical Society earlier this year. It honors outstanding contributions to mathematics research by a woman during the previous five years. The award is granted every two years and was based in part on two influential papers authored by Wu which appeared in top mathematics journals.

Ellen Williams, director of the Materials Research Science and Engineering Center, just secured the renewal of a \$10 million National Science Foundation grant to support

this research as well as a new graduate teaching fellows outreach program to K-12 schools. Williams is widely recognized for her expertise in characterizing and predicting the evolution of materials structures.

The College has a Fields Medalist, **Sergey Novikov**, mathematics and IPST, and a Wolf Prize winner, **Michael Fisher**, physics and IPST. Eleven faculty are members of



Sijue Wu

the National Academy of Sciences and the National Academy of Engineering. **Stephen Kudla** in mathematics recently won the Max Planck Research Award. Two faculty in mathematics, **Konstantine Trivisa** and **Jui-Kang Yu**, and one in physics, **Melanie Becker**, were awarded Sloan Fellowships this year out of only 43 Sloans in mathematics and physics in all of the United States and Canada. The College has 14 of the University's 35 Distinguished University Professorships and 66 faculty who have held Sloans or National Science Foundation Early Career Development Program Awards.

Departments, Centers and Institutes

Center for Superconductivity Research



Department of Astronomy
Department of Computer Science
Department of Geology
Department of Mathematics
Department of Meteorology
Department of Physics
Center for Automation Research
Center for Bioinformatics and Computational Biology—with Life Sciences
Center for Scientific Computation and Mathematical Modeling
Center for Superconductivity Research
Earth System Science Interdisciplinary Center
Institute for Advanced Computer Studies
Institute for Physical Science and Technology
Institute for Plasma Research—with Engineering
Materials Research Science and Engineering Center



Top 25 Public and Private Universities Computer Science, Mathematics, and Physics U.S. News & World Report



The University of Maryland is the only East Coast public university with top departments in the three areas of computer science, physics and mathematics. In this geographic area, quality comparable to Maryland is available only at Ivy League schools.

CMPS Numbers

- \$63M in annual research awards
- Ranked (by U.S. News & World Report):
 - 11th in Computer Science
 - 14th in Physics
 - 21st in Mathematics
- 2,368 Undergraduate majors with average entering SAT of 1300 in Fall 2000
- 720 Graduate students with average entering GRE of 1972 in Fall 2000
- Over 70 partnerships with industry and federal agencies

Discovering the Future

In April, corporate leadership of Fujitsu Laboratories from both Japan and the U.S. joined with state and university leaders to celebrate the establishment of a new Fujitsu Research Lab in College Park. The lab will focus on wireless computing, network security, bio-informatics, quantum computing and other innovative technologies. Within three years, it will go from a staff of nine researchers to 30 and from an annual budget of \$3.5 million to \$10 million.

With other key U.S. locations eager to have Fujitsu, their coming to College Park culminates the first part of a robust business and industry outreach effort by the College. The College's recognized expertise in computer science and information technology, and pervasive and quantum computing complement Fujitsu's goals for the new laboratory, and were major factors in their decision to locate here.

Fujitsu was also attracted by the formation of a new R&D mechanism, the Maryland Information and Network

Dynamics Lab within UMIACS. A creation of computer science professor Ashok Agrawala, the MIND Lab is bringing a group of world-class researchers together on large scale computer science projects with a

and other industrial partners and universities.

Many other CMPS interactions with the private sector contribute to the expansion of the economy. A few of these partnerships are:

intensive computing, electronic commerce and digital libraries. IBM SUR has provided campus with state-of-the-art facilities in emerging information technologies that are allowing substantial research advances."

• **Fraunhofer USA** and the University recently signed an agreement expanding their cooperative activities at the Fraunhofer Center for Experimental Software Engineering—Maryland. The Center is an applied research, technology transfer facility with national and international collaborations that extend University research in software engineering. Fraunhofer USA is affiliated with the Fraunhofer Gesellschaft in Germany. "Our goal is to improve the software development process and product via empirical study," says the Center's director, Vic Basili. "We are bringing expertise from our international collaborations to businesses in the state of Maryland."

• **Neocera, Inc.** is marketing a superconducting quantum interference device (SQUID)-based imaging system for semiconductor circuit failure analysis which was developed at the Center for Superconductivity Research. While research on two more microscopes continues at the Center, Neocera Chairman and CTO and University professor T. Venkatesan is helping establish Neocera as a provider of innovative imaging and analysis tools for the semiconductor industry.

Maryland Governor Parris Glendening, Michio Fujisaki, President of Fujitsu Laboratories Limited, Kazuhiro Matsuo, General Manager and Vice President of Fujitsu Laboratories of America, and University President C.D. Mote Jr. open a sake barrel to mark the beginning of the Fujitsu Research Lab in College Park.



President C.D. Mote Jr., President of Fraunhofer Gesellschaft Hans-Jürgen Warnecke, Dean Steve Halperin, and Secretary of DBED David Iannucci at the February 2001 Fraunhofer Center-Maryland signing ceremony.

commitment to develop key products and to significantly compress the time usually required to commercialize new ideas. Fujitsu has agreed to be a founding partner in the MIND Lab, with an initial investment of \$2.5 million. The MIND Lab is also forming alliances with federal agencies

• **IBM SUR** has enabled many important projects to flourish, particularly, high performance computing, mobile computing, visualization tools for medical applications, speech-based information retrieval, and remote sensing. UMIACS Director Joseph JaJa says, "Recent initiatives are in data

Alums Support College Mission

In May Sergey Brin, a 1993 math and computer science alumnus, is speaking to fellow Maryland alums in the Bay Area about his Internet search tool, Google.com.

Last month Ben Roca, a 1990 computer science graduate, joined the college's new Board of Visitors and participated in groundbreaking ceremonies for the new computer science facility.

"My computer science



Sergey Brin

work here gave me a firm foundation for my professional career. Especially the high quality course work and professors. The university needs help from its alums. I'm happy to participate in any way I can," said Roca. He is COO of Multilink, Inc. in New York City.

The College sends a monthly electronic newsletter to alums and actively solicits their feedback and involvement. In turn, numerous scholarships from alums support current students.

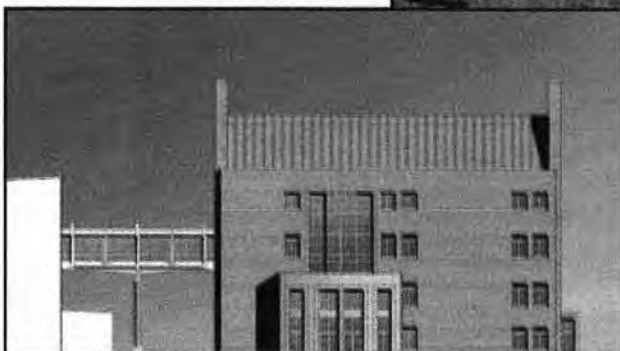


Human-Computer Interaction

The College's reputation is enhanced by a wide range of innovative projects at its Human-Computer Interaction Lab. Current work deals with the exploration of Census data, personal photo collections, monitoring of production data, multilingual information retrieval and more. Ben Bederson, the lab's director, developed a zooming user interface environment, now used to prototype digital library interfaces, and a presentation tool called CounterPoint. Allison Druin, a joint faculty member with HCIL and the College of Education, is the recipient of a National Science Foundation Early Career Award for her work with children, specifically developing new technologies in early childhood education. Pictured are Taylor Tremmelle and Drew McQueen, elementary school children participating in the project "Therapeutic play with a storytelling robot," a joint project with AnthroTronix of the TAP incubator program.

Breaking New Ground in Computer Science

On April 4, the College's new Board of Visitors and other guests joined with President C.D. Mote Jr.; Major Riddick, former Chief of Staff for the Governor and Chair of the Information Technology Board; Dean Steve Halperin; and Larry Davis, Computer Science Department chair, in a groundbreaking ceremony for the new Computer Science Instructional Center. Located between A.V. Williams and the planned Alumni Center, it will offer state-of-the-art facilities, namely a 140-seat lecture hall, two 90-seat classrooms, other classrooms and a WAM lab. All classrooms will have video projectors, computers, laptop connections and wireless Internet access. A sky bridge will connect the new building



to A.V. Williams.

During groundbreaking ceremonies, Riddick said, "College Park is a symbol of our state's technological strength. This building is a portal to our future, the digital gateway this area is becoming. This is a great presence to add to the research being done at this university."



UNIVERSITY OF
MARYLAND

Developing the Best High Tech Workforce in the Country

The College's Career Services office is all about and for CMPS students who study astronomy, computer science, geology, math, meteorology and physics. The office is also home of the prestigious Corporate Scholars Internship Program through which students may gain academic credit for internship activities.



Kelly Bombyk

Alicia Maria Arroyo, a geology major from Silver Spring, was a Corporate Scholars Intern in the Mineral Sciences Department of the Smithsonian Institution's National Museum of Natural History. Arroyo researched current volcanic activity around the world and assisted in accessioning mineral collections and updating a rock and mineral collection database. Arroyo, who is graduating this spring, says, "Working at the Smithsonian has been a great experience. I have learned so much about geology and the work and life of a geologist. My experience has motivated me to pursue an advanced degree in geology."

Kelly Bombyk, a computer science major from Mt. Airy, interned for General Electric Global eXchange Services. She says, "My internship helped to show me what I'd like to do full-time. I'll be with TEOCO in the fall and eventually I'd like to teach computer science."

CMPS students are encouraged to undertake internships and participate in other experiential education programs. Internships build student resumes and allow them to apply classroom knowledge in real world settings.



Alicia Maria Arroyo

Through the College, students are connected with recruiters from businesses, not-for-profit organizations and government agencies. Students are also supported in their career planning by groups like



During Corporate Scholars Seminars, students review their internship projects.

the Association of Computing Machinery and the Association of Women in Computing (AWC). Both meet regularly and host guest speakers on a variety of technology and employment topics. AWC forms study groups and sponsors information sessions on computer science classes.

There are also the Society of Physics Students, a diverse academic and recreational group that sponsors talks by faculty, graduate students and undergraduates; the Terrapin Astronomical Society (AstroTerps) that broadens the University community's knowledge about astronomy; and the Geology Club, open to all majors, whose members do geology field work.

Partners in Computing

Because this is one of the top IT areas in the nation, the Computer Science Department is launching a major College program called Partners in Computing, designed to link business, industry and government agencies with the College's highly qualified

graduates. Participating companies and organizations will benefit from special research and information exchanges plus recruiting opportunities. Through Partners in Computing the College will put the highest levels of computing into the hands of industries working

in e-commerce, software development, and pervasive computing.

Founding members are ACS Government Solutions, America Online, the City of Baltimore, Fujitsu, Hughes Network Systems, Lockheed Martin and the U.S. Army Research Lab.

Minorities Excel in the College

The value of diversity in its scientific community is amply demonstrated by the College through its faculty, students and activities. The College is a national leader in awarding doctoral degrees to minorities in mathematics and the physical sciences.

Summer Program for Scientists and Engineers

CMPS provides a welcoming environment for African American, Native American and Hispanic students in many ways, such as through Bridge, a joint program with engineering.

Ask Arthur Hobson. Like many in the Summer Bridge Program, Hobson spent six weeks before his freshman year nearly four years ago in an intensive orientation to computer science and math. The result: Hobson has a 3.2 GPA majoring in computer science. He was an intern at IBM and will work there after graduation this month.

Like Hobson, other Bridge participants build a campus community and become familiar with CMPS courses, expectations and support services before that first official day of undergraduate work.

Part of the University

System of Maryland Louis Stokes Alliance for Minority Participation, Bridge is partially funded by the National Science Foundation.

Sixteen years later, Maryland's math program made history again when three African American women all received Ph.D.s in mathematics



Tasha Inniss, Sherry Scott Joseph, Kimberly Weems

Two National Firsts in Math Department

A long-term effort to develop a welcoming atmosphere for African American graduate students, spearheaded by Raymond Johnson, mathematics professor and department chair from 1991-96, has resulted in two national firsts.

In 1974 **Alton Wallace** received a Ph.D. in mathematics and also made history. He was one of the first two African Americans to do so with an African American thesis advisor, Johnson. Wallace works at the Institute for Defense Analyses.

last semester, the first time this has occurred in the U.S. **Tasha Inniss**, **Kimberly Weems** and **Sherry Scott Joseph** were recruited by Johnson. Inniss' advisor was Michael Ball, Weems' advisor was Paul Smith, and Scott Joseph's advisor was John Benedetto.

Current mathematics department chair Mike Fitzpatrick said, "The department probably has the most diverse body of math graduate students in the United States. Of 213 grad students, one third are women, 21 are African American and eight are Hispanic."

Reaching Out in the Metro Area

To support the growth of scientific literacy in Maryland, the College reaches out to area students in dozens of ways. An annual High School Programming Contest sponsored by Microsoft brings teams of students to campus to solve technological problems and win cash prizes. After regular visits to the Astronomy Observatory, students from Hyattsville's Northwestern High School became so interested in astronomy that they are building an observatory at their school. Middle school



Phascinating: the Physics Summer Girls Program

girls experience the fun and fascination of physics each

summer during the Physics Summer Girls Program. The

mathematics department runs the annual Maryland Math Competition and its faculty are judges in the Intel and Putnam competitions. Students, teachers and parents flock to campus for Physics is Phun demonstrations. The Materials Science Engineering and Research Center (MRSEC) is working with Northwestern High School on a science writing project that challenges students to learn about and then describe a technological advancement stemming from University research.



Produced May 2001 by the Office of University Communications for CMPS. Design by Cynthia Mitchell. Photographs by John T. Consoli, Cynthia Mitchell, Scott Suchman, Robert Rathe, Mike Morgan et al.

For more information : www.cmps.umd.edu

University Hosts International Creativity Competition

Techno-pets, wild-winged wonders, silly sound makers and 5,000 youth from around the world are headed to the university June 2-6 for the World Finals competition of Odyssey of the Mind.

Nearly 600 teams of elementary through college-age students from 12 countries have earned the right to represent their hometowns in this competition, where some of the world's best problem solvers showcase their creative solutions to mind-bending challenges. The activities are open to the public free of charge, and the campus commu-

nity is invited to join in the fun. Odyssey of the Mind information posters noting the location of competition sites will be posted throughout the campus.

Odyssey of the Mind is an education-based program for young people that combines creative thinking, teamwork and risk-taking with a fun-filled annual competition. It was initiated more than 25 years ago by a college professor who thought kids needed more opportunities to nurture creative problem-solving skills.

Teams of five to seven students take on Odyssey

challenges each fall and work together for months to strategize, develop and implement solutions. When participants arrive on campus for the World Finals, the competition will be fierce and fun, kind of a kooky cross between science fair, masquerade party, performing arts fest and the Olympics.

This is the fifth time that Maryland has hosted the World Finals, a time when the campus becomes much like an Olympic village. All competitions will take place in university venues, and the participants will sleep, eat and recreate in

campus facilities. The university also provides support to help the 10,000 Odyssey visitors enjoy the festivities.

Total Odyssey attendance, summer students, faculty and staff will equal only about half the number of people on campus during a semester. The campus community still should be prepared for unexpected delays as people unfamiliar with the campus find their way around.

Parking permit restrictions will be relaxed for June 1-6. University staff may park in any ungated lettered or numbered lot or in any metered space.



Tony Ephremides, professor of electrical engineering and Institute for Systems Research, has been awarded the Kirwan Faculty Research and Scholarship prize. The honor recognizes a faculty member for a highly significant work of research, scholarship or artistic creativity completed within the last three years. Winners receive a \$5,000 honorarium to be awarded at the fall campus convocation.

Glenn Moglen, assistant professor in civil and environmental engineering, received the Outstanding Contribution to GIS in Maryland award, during the 14th Annual Geographic Information Sciences Conference, hosted by Towson State University. The award recognizes Moglen's work in geographic information systems (GIS). He developed a program, GISHydro, that provides the data and analysis tools necessary to automate complex hydrologic analysis of watersheds anywhere within the state.

Rama Chellappa, professor of electrical and computer engineering, was elected as vice president of the IEEE Signal Processing Society for a three year term, beginning January 2002. He will work with the Awards Board to supervise the selection of recipients of various awards given by the society.

The Parents Association for Undergraduate Education awarded **Allison Druin** this year's Outstanding Faculty award. Her nomination came from the group of Gemstone Program undergraduates she has mentored for the past three years. Gemstone is an undergraduate honors research program.

Dean of Libraries **Charles Lowry** will receive the Distinguished Alumni Award from the Alumni Association of the University of North Carolina School of Information and Library Science at the school's graduation ceremony in Chapel Hill on Sunday, May 20.

UNC, Chapel Hill, launched Lowry into his library career with the award of a master's in library science in 1974. During the last year of his tenure as head librarian and director of learning resources at Elon College in North Carolina, he was again affiliated with UNC, Chapel Hill, in 1980 as an adjunct professor in the School of Information and Library Science, where he taught academic library administration.

The first recipient of the CMPS Thelma M. Williams Advisor of the Year award is **Gwen Kaye**, Computer Science undergraduate coordinator. The award was presented May 4 and is named in honor of the former CMPS associate dean for undergraduate education. Williams, who retired in 1998 after 17 years with the university, was principally responsible for oversight of the college's undergraduate program as well as influencing, interpreting and administering college and university policies and procedures.

Williams also served as a role model and mentor for numerous members of the campus community. The college's current recruitment, orientation, retention, advising and commencement programs are the product of her leadership.

Facilities Plan

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better loop service shuttle system and develop a better campus for biking and walking, say the transportation consultants, Martin Alexiou Bryson.

Reducing automobile traffic is the single most beneficial action the university can take to protect and improve the environment, according to the consultants.

But they also recommend more aggressive storm water management processes to improve water quality in local streams; protecting existing forest cover and systematically adding trees; replacing surface parking lots with structures and increasing open space on campus; reducing resource consumption and improving recycling efforts; and stressing "green architecture" for

new buildings.

The consultants will present their recommendations in more detail, and campus officials will invite comments to help guide them in making decisions about the recommendations over the next several months. The university is scheduled to deliver a completed facilities master plan to the Board of Regents early in 2002.

In addition to transportation and environmen-

tal issues, the plan will consider the role of university's future development in the neighboring community, including planned developments in and around College Park.

The Baltimore firm of Ayers Saint Gross is the lead consultant on the project, with assistance from Martin Alexiou Bryson on transportation issues and BioHabitats Inc. on environmental issues.

Geoffroy

continued from page 1

ment change in several areas of the campus. He is credited with leading the vision of the university's strategic plan and establishing the K-16 Council to improve teacher training. He had a hand in the on-target Facilities Master Plan and he led efforts to bring national eminence to biological science programs.

All of this from a man who spent nearly two decades hunched over lab equipment, studying and teaching organometallic chemistry, a discipline that studies organic compounds containing metal.

The Kentucky native gives partial credit for his administrative success to the leadership skills he honed overseeing large research teams in several labs. His involvement in the American Chemical Society created more opportunities for leadership. "I began to realize, 'I can do this,'" Geoffroy says. Mote concurs.

"He consults well with people. He listens to people. The provost's job is the most difficult on campus," says Mote. Provosts are the implementation branch of university administration, he explains, as opposed to

the visionary branch. "They have lots of decisions to make with lots of details."

It is a fair assessment of the job, says Geoffroy. "The stream of issues that comes to this office is enormous. It's a matter of prioritizing."

Geoffroy's list of priorities encompasses his personal life, as well. He spends the first hour or so of his day in the gym. Perhaps that's where he thinks through all of the requests, the questions, the complaints. So that by the time he hits his office around 8 a.m., he's prepared.

"He's an extremely well-organized person," says Ann Wylie, associate provost for academic affairs. "He has clearly defined priorities that everyone knows about. That's an important legacy to leave." She cites his ability to create a cooperative atmosphere among the deans as one of the reasons for his success.

"You need to listen so that you can get that input," says Geoffroy. "You have to keep your ear to the pavement, [so] you'll know what needs to be addressed. And I work with some very good people."

Geoffroy uses the words "good" and "great" frequently when talking

about the University of Maryland. He believes in its potential with the passion of an alumnus or a parent. He regrets that he won't be here to see some projects through.

"The Task Force on Student Success is going to be an ongoing project, but it has already done some really good things. We have seeded a lot of truly great academic programs that are going to blossom. Behavioral and Social Sciences is going gangbusters with things like the Civil Society Initiative and the Demography of Inequality Initiative," he says. "Great things are going to happen there. I just know it."

Irv Goldstein, dean of BSOS, appreciates Geoffroy's enthusiasm. "He's really been a strong supporter. He maintains standards of excellence, but he's also fair and equitable."

Respect for Geoffroy's leadership style is campus-wide. The feeling is mutual. The provost treats colleagues with respect. He knows who to pull into a meeting or onto a committee so that talents complement each other, so that the university benefits. He is proud of the results.

"We have raised the

level of academic excellence at Maryland. It is poised to be one of the true great national universities," he says.

"The culture for interdisciplinary study is the best I've seen. We probably have a much higher percentage of double majors. It's great seeing the combinations, like dance and chemistry."

"I've learned to appreciate the value diversity has in enriching the education process. The level of discourse is different."

Wylie mentions Geoffroy's legacy again when speaking of the university without him. "Some of the decisions he has made will continue to benefit the campus. He was extremely successful in putting the faculty first. We've made lots of very fine appointments. Those people will serve the university for a long time. In a short period of time, he has given all of his attention, all of his energy."

As is his style, Geoffroy deflects the praise back to his colleagues. "I'm going to miss the wonderful, wonderful people here. There are a lot of them. [Because of their work] I deeply believe Maryland is on the path of being one of the nation's greatest."

For Your Interest

Summer Art Camps

The deadline for enrollment in the Summer Arts Camps at the Art and Learning Center, Stamp Student Union, is May 18. The Summer Arts Camps help children explore the fine, creative and performing arts in a stimulating and supportive environment. Campers participate in general and specialty arts each day with topics such as painting, drawing, music, drama, graphic design, photography, sculpture and creative writing. Camps are designed for children ages 7-12. The camp day runs from 9 a.m.-3 p.m., with extended care available until 5 p.m. Camps are conveniently located in the Stamp Student Union. For more information, visit www.union.umd.edu/artcenter. Or contact Alicia Simon at (301) 314-8492 or asimon@union.umd.edu.

Taipei, Beijing, Washington

Chen Chien-jen, the representative from the Taipei Economic and Cultural Representative Office in the United States, will speak on "Taipei, Beijing, Washington" on Tuesday, May 15 at 10:15 a.m. in room 0105 St. Mary's Hall. The session, which will conclude by 11:30 a.m., will be opened by President Dan Mote. There will also be refreshments and time for questions. Those planning to attend should contact Rebecca McGinnis at (301) 405-0213 or rm165@umail.umd.edu.

Web Designer and Developer Program Registration Opens

The OIT Web Designer and Developer Program provides skills training and mentored workshops in the design, development, and maintenance of web sites to College Park faculty, staff and students. Participants can be sponsored by their department or program, or they can sponsor themselves. The program will run Wednesdays and Thursdays, July 18 through August 9, 9am-4pm.

The location for the training is 4404 Computer & Space Science Building. For faculty and staff, the cost is \$275; for students, \$195; for USM affiliates, \$355. For more information, contact Deborah Mateik at (301) 405-2945 or dm16@umail.umd.edu, or register at www.oit.umd.edu/WebDeveloper.

It's All About the Money

Michelle Singletary, a business writer on the staff of The Washington Post and a UM alumna, will be the guest speaker at this month's meeting of the Investors Group on Wednesday, May 16, at noon in McKeldin Library, room 4137. Her talk is entitled "Your Money and Your Life: How to Achieve Financial Independence."

Since starting her "The Color of Money" column in the Post in March 1997, the response from readers has been instantaneous and positive. It became clear that many of these readers previously had found

many financial issues too difficult to penetrate.

In conjunction with the column, Singletary became a regular contributor on Howard University's evening news radio program, "Insight," where she discusses personal finance issues. She also has done financial reports for WMMJ-FM in Washington and for public television's "This Week in Business."

L&S Seeks Advisor Volunteers

Letters and Sciences (L&S) seeks UM faculty, research associates, professional-level staff members and full-time Ph.D. students to advise up to five L&S freshman students this fall. L&S students want to explore their academic options before declaring a major. A two-hour preparation session will be offered several times this summer, along with a one-day freshman orientation on-the-job training event.

For more information contact Thomas Steen at (301) 314-8426 or tsteen@deans.umd.edu (include a local or campus mailing address to which an information and sign-up packet may be sent), or visit www.inform.umd.edu/LettersSciences.

Here's to Your Health

The University Health Center invites all faculty and staff to participate in the 2001 Faculty/Staff Health Fair on Thursday, June 14, from 10 a.m.-3 p.m. at the Health Center.

The Health Fair will offer blood pressure screening, seated massage, vision screening, hearing screening, nutritious snacks, educational sessions on health topics, health risk assessment, HIV testing, oral cancer screening, fitness testing, smoking cessation counseling and other health information.

Osteoporosis screening will be offered through the Mobile Screening Authority using a PIXI bone density X-ray which scans the heel. There is a \$35 fee for this service and you must register in advance by calling (301) 931-8060. Results are available immediately after the test.

Cholesterol screening will be also be offered on the following dates: May 30 and 31, and June 1, 4 or 5 at the Health Center lab. There is a \$5 fee. Test results include total cholesterol, HDL and LDL levels. To schedule an appointment, call (301) 314-8128. Results will be returned at the Health Fair.

For more information, contact Pat Johnston, Coordinator of Health Education at (301) 314-8129 or Johnston@health.umd.edu.

Student Affairs Golf Tournament

Make plans to participate in the 13th Annual Student Affairs Scholarship Golf Tournament to be held on Monday, June 11 from 7:30 a.m.-1 p.m. at the Golf Course. The entry fee is \$180 per team (\$45 per player) and includes a continental breakfast, green fee, cart, on course snacks, lunch and prizes. All teams must be co-ed (a minimum of one male and one

female per team) and each team member must be affiliated with the university. Come join us for a morning of fun and laughter. It is the only tournament where having a good time is more important than turning in a good score.

For entry forms and more information call the Golf Course Pro Shop at (301) 403-4299. For more information, contact Jeff Maynor at (301) 403-4299 or jmaynor@union.umd.edu.

Institute for Instructional Technology

Registration is under way for this year's Summer Institute for Instructional Technology. The IIT provides university faculty with an intensive immersion into new or changing technologies that have the potential to transform the tools with which teachers teach, and the media and environments with which students learn.

This summer will feature a collection of modules on such diverse topics as creating effective presentations for the classroom, building course Web pages and Web sites, collaborative and evaluative technologies, multi-media production tools, developing the WebCT course environment, and instructional design principles for online instruction.

Classes typically last one to two days and are free to university faculty, instructors, teaching assistants and, on a space-available basis, instructional technology support personnel. See www.oit.umd.edu/iit/current.html for course descriptions and online registration. Sponsored by the Center for Teaching Excellence and the Office of Information Technology.

Starring Role in History

"Constant Star," a tribute to civil rights maverick Ida B. Wells, will be performed as the grand finale of Arena Stage's 50th anniversary season. The play opens Tuesday, May 15 and will run through Sunday, July 1.

Performances are at Arena Stage, 1101 Sixth St., SW. Tickets range from \$27-45, with discounts for students, groups, senior citizens and persons with disabilities. A limited number of day-of \$10 tickets, Hottix, are available 90-30 minutes before every performance's curtain. For more information, call the box office at (202) 488-3300.

Historic Howard County

Historic preservation in Howard County is the subject of a presentation by Michael Wolczak, president of the Historical Society, and Mary Catherine Cochran, founder of Preservation Howard County. The evening is also hosted by the League of Women Voters of Howard County, the county's Sesqui-centennial Committee and Vision Howard County. Free admission and refreshments. It will be held on Thursday, May 17 at 7:30 p.m. at the Historic Society, 8328 Court Ave., Ellicott City. For more information, call (410) 730-0142.

The next issue of Outlook will appear on June 19.

Commencement continued from page 1

Linguistics, Classics
Former U.S. Ambassador to Romania and University Regent James Rosapepe

Gemstone Citation Ceremony
Vice President of Research and Dean of the Graduate School William Destler

College of Health and Human Performance
No commencement speaker

History, Jewish Studies, Russian Area Studies

Professor of Jewish Studies and History George Majeska

Individual Studies
No commencement speaker

College of Information Studies
Vice President for Academic Affairs and Provost Greg Geoffroy

College of Life Sciences
John Holaday, Chairman and CEO of EntreMed, Inc.

Maryland School of Public Affairs
Deputy Dir. of the U.S. Office of Management and Budget

Sean O'Keefe

Philip Merrill College of Journalism
Maureen Bunyan, news anchor, WJLA-TV Channel 7, Washington, D.C.

Department of Music
Student performances

Philosophy
Professor Emeritus Alan Pasch

Robert H. Smith School of Business
Albert P. Carey, Senior Vice President of Sales and Retail Strategies, PepsiCo, Inc., and Pepsi-Cola North America

Here Comes the Sun

The university's 24-person, cross-disciplinary Solar Tech team has been chosen to compete in the Department of Energy's Solar Decathlon in fall 2002. The UM team will be one of 20 spending one week on the National Mall constructing a small home that is to be powered by solar energy.

Ten contests will test the inventive thinking and leadership skills of students as they develop architectural and scientific solutions to designing the most efficient home.

Though the competition is a year away, planning begins now, as does fund-raising. Led by mechanical engineering student Tom Daniels and professors Jungho Kim and Omar Ramahi, students enrolled in Mechanical Engineering 489E need to raise at least \$60,000 to purchase the materials for the home.

For more information and to lend support, contact Daniels at (301) 927-4680 or ThomasD@bmpcoe.org.